

U.S. Appln. No 09/899,767  
Response dated December 9, 2003  
Reply to Office Communication of November 12, 2003  
Page 2 of 4

### LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

### LISTING OF CLAIMS

1. (Previously Presented) A combinatorial screening apparatus comprising:
  - a) a cell body containing a fluid inlet;
  - b) a fluid permeable, conductive, catalyst array support positioned adjacent to the cell body, said catalyst array support having multiple locations for supporting solids;
  - c) a catalyst mask positioned adjacent to the catalyst array support, said catalyst mask defining holes arranged in alignment with the multiple locations for supporting solids of the catalyst array support; and
  - d) a cell cover positioned adjacent to the catalyst array support, said cell cover defining an opening for monitoring of the solids.
2. (Original) The apparatus of Claim 1 further comprising a detector in alignment with the cell cover.
3. (Previously Presented) The apparatus of Claim 1 further comprising a diffuser positioned between the catalyst array support and fluid inlet of the cell body.
4. (Original) The apparatus of Claim 1 further comprising an excitation source in alignment with the cell cover.
5. (Original) The apparatus of Claim 4 wherein the excitation source is an ultraviolet radiation source.
6. (Original) The apparatus of Claim 1 further comprising at least one fastener.
7. (Original) The apparatus of Claim 1 further comprising a seal between each of the elements a-d of Claim 1.
8. (Original) The apparatus of Claim 1 further comprising a reagent mask located between the cell body and the catalyst array support.
9. (Original) The apparatus of Claim 1 further comprising a diffuser located between the cell body and the catalyst array support
10. (Original) The apparatus of Claim 1 wherein the catalyst array support is carbon paper.

U.S. Appln. No 09/899,767  
Response dated December 9, 2003  
Reply to Office Communication of November 12, 2003  
Page 3 of 4

11. (Original) The apparatus of Claim 1 wherein the catalyst mask is Plexiglas.
12. (Original) The apparatus of Claim 1 wherein the cell body is further characterized in having a fluid outlet.
13. (Previously Presented) A combinatorial screening apparatus comprising:
  - a) a catalyst array support backing;
  - b) a conductive catalyst array support positioned adjacent to the support backing, said catalyst array support having multiple locations for supporting solids;
  - c) a catalyst mask positioned adjacent to the catalyst array support, said catalyst mask defining holes arranged in alignment with the multiple locations for supporting solids of the catalyst array support; and
  - d) a cell cover positioned adjacent to the catalyst array support, said cell cover defining an opening for monitoring of the solids.
14. (Original) The apparatus of Claim 13 further comprising a detector in alignment with the cell cover.
15. (Original) The apparatus of Claim 13 further comprising an excitation source in alignment with the cell cover.
16. (Original) The apparatus of Claim 13 further comprising a seal between each of the elements a-d of Claim 13.

Claims 17 to 32 (cancelled).